

CITY OF HAYWARD

AGENDA REPORT

AGENDA DATE 07/20/04

AGENDA ITEM 5

WORK SESSION ITEM _____

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Traffic Signal Installation on Huntwood Avenue at Schafer Road: Approval of Addendum and Award of Contract

RECOMMENDATION:

It is recommended that the City Council adopt the attached resolution that:

1. Approves Addendum No. 1, which makes minor modifications to the plans and specifications; and
2. Awards the contract to Prism Engineering, Inc., of Hollister, California, in the amount of \$154,315.

DISCUSSION:

This project will install a traffic signal system at the intersection of Huntwood Avenue and Schafer Road. The project will also install a curb ramp, sidewalks, and access ramps with safety railings on the east side of Huntwood Avenue, south of Schafer Road, to connect the new signal intersection and the existing crossing at the Union Pacific Railroad. This project will provide pedestrians and bicyclists, primarily the students, with a safe route between the neighborhoods on the west side of the railroad and Tennyson High School on the east side of the railroad while still maintaining traffic flow. Staff is in the process of securing Union Pacific Railroad easements for constructing the access ramps.

Because there is a significant lead-time in procuring signal poles, the pole equipment for this project has already been purchased by the City and will be provided to the contractor as government-supplied materials.

On June 15, 2004, the City Council approved the plans and specifications and called for bids to be received on July 6, 2004. Addendum No. 1 was issued to make minor modifications to the plans and specifications in response to plan-holders' questions received during the bidding period.

On July 6, 2004, staff received seven bids ranging from \$154,315 to \$212,909 (see Exhibit C). Prism Engineering, Inc. submitted the low bid in the amount of \$154,315, which is 0.4 percent below the Engineer's estimate of \$155,000. Phoenix Electric Company, of San Francisco, submitted the second lowest bid of \$159,990, approximately 3 percent above the Engineer's

estimate. All bid documents and licenses are in order, and staff recommends award of the contract to the low bidder, Prism Engineering, Inc.

PROJECT COST:

The estimated costs of the total project are as follows:

Contract Construction Costs	\$154,315
Design and Administration	32,500
City Furnished Equipment (Traffic Controller, Cabinet, and Poles)	25,520
Inspection and Survey	17,665
Total	<u>\$ 230,000</u>

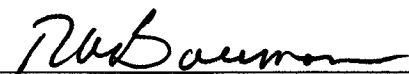
FUNDING:

The 2004-05 Capital Improvement Program includes a total of \$230,000 for this project, \$190,000 in the Transportation System Improvement Fund for the signal installation work and \$40,000 in the Street System Improvement Fund for the new sidewalk work.

SCHEDULE:

Award Contract	July 20, 2004
Begin Work	August 16, 2004
Complete Work	November 30, 2004

Prepared by:


Robert A. Bauman, Deputy Director of Public Works

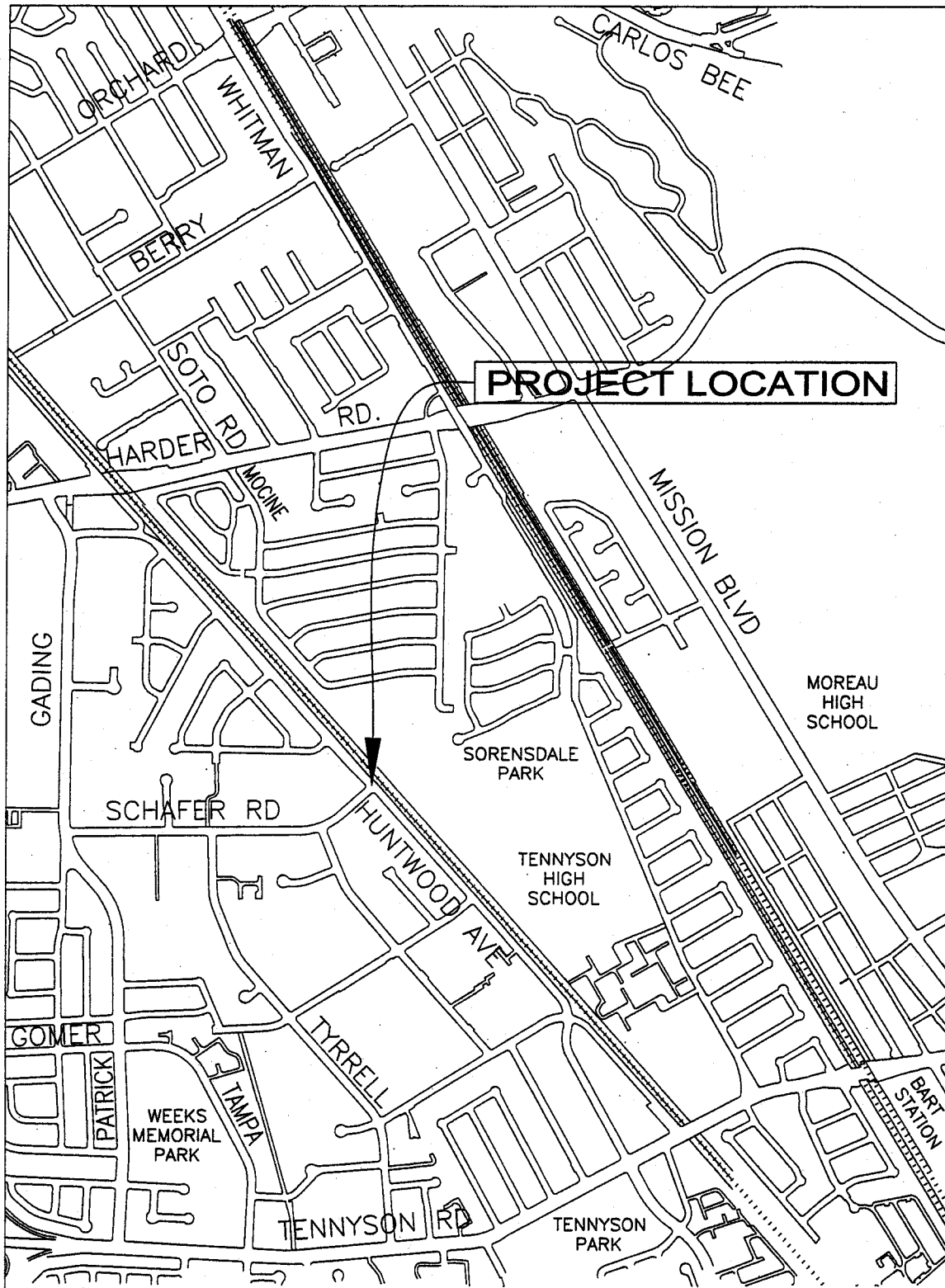
Recommended by:


Dennis L. Butler, Director of Public Works

Approved by:

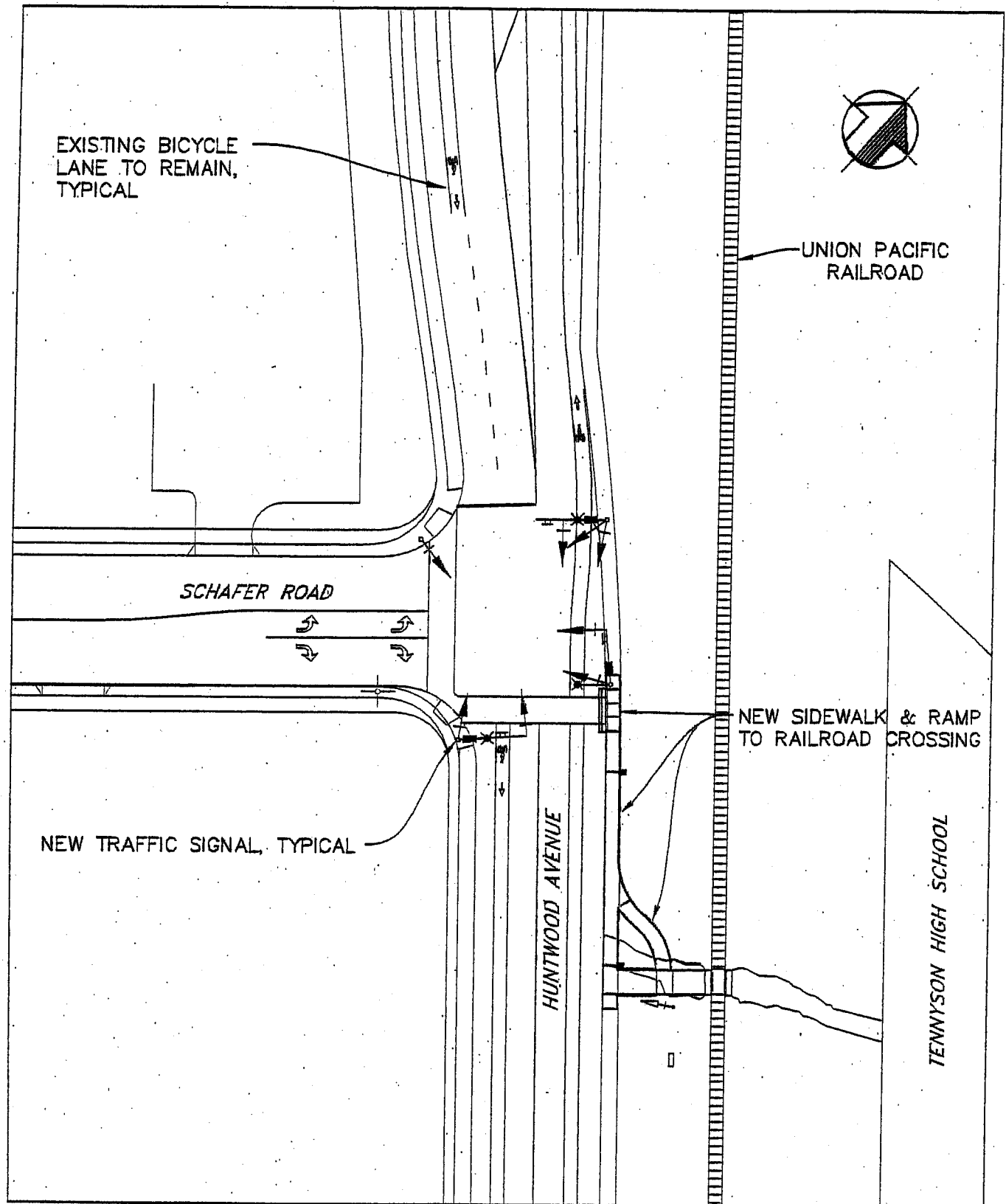

Jesús Armas, City Manager

Exhibits: Exhibit A: Location Map
Exhibit B: Site Map
Exhibit C: Summary of Bids



LOCATION MAP
HUNTWOOD AVE / SCHAFER RD TRAFFIC SIGNAL IMPROVEMENTS
PROJECT NO. 5753

HUNTWOOD AVE & SCHAFER RD TRAFFIC SIGNAL



DESIGN LAYOUT

Exhibit B

CITY OF HAYWARD
 TRAFFIC SIGNAL INSTALLATION AT HUNTWOOD
 PROJECT NO. 5753
 BIDS OPENED: JULY 6, 2004

(NUMBER OF BIDS RECEIVED - 7)

Page 1 of 4

Exhibit C

BID SUMMARY				ENGINEER'S ESTIMATE		PRISM ENGINEERING INC. 233 BRIGGS ROAD HOLLISTER CA 95023 (831) 630-0257 PHONE (831) 630-0469 FAX		PHOENIX ELECTRIC COMPANY P.O. BOX 883034 SAN FRANCISCO CA 94188 (415) 671-3858 PHONE (415) 671-3827 FAX		COLUMBIA ELECTRIC, INC. 1980 DAVIS STREET SAN LEANDRO CA 94577 (510) 430-9505 PHONE (510) 430-1860 FAX		STEINY AND COMPANY, INC. 27 SHERIDAN STREET VALLEJO CA 94590 (707) 552-6900 PHONE (707) 554-6347 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	TRAFFIC CONTROL	5,000.00	5,000.00	10,000.00	10,000.00	3,000.00	3,000.00	3,400.00	3,400.00	5,000.00	5,000.00
2	15	LF	REMOVE PCC CURB & GUTTER FOR CURB RAMP	20.00	300.00	100.00	1,500.00	65.00	975.00	15.00	225.00	15.00	225.00
3	5	CY	REMOVE EXISTING AC AT UPRR CROSSING	75.00	375.00	125.00	625.00	200.00	1,000.00	226.00	1,130.00	226.00	1,130.00
4	35	CY	ROADWAY EXCAVATION	40.00	1,400.00	75.00	2,625.00	200.00	7,000.00	132.00	4,620.00	132.00	4,620.00
5	1	LS	CONSTRUCTION & DEMOLITION DEBRIS RECYCLING	500.00	500.00	10,000.00	10,000.00	6,000.00	6,000.00	1,200.00	1,200.00	1,250.00	1,250.00
6	1	EA	CASE C CURB RAMP (CLASS B CONCRETE)	1,500.00	1,500.00	3,250.00	3,250.00	1,700.00	1,700.00	2,150.00	2,150.00	2,250.00	2,250.00
7	605	SF	CONCRETE SIDEWALK (CLASS B CONCRETE)	8.00	4,840.00	7.00	4,235.00	15.00	9,075.00	16.00	9,680.00	16.00	9,680.00
8	215	SF	CONCRETE "S" RAMP (CLASS B CONCRETE)	21.00	4,515.00	15.00	3,225.00	48.00	10,320.00	46.00	9,890.00	46.00	9,890.00
9	312	SF	CONNECTION RAMP AND STAIRS (CLASS A CONCRETE)	22.00	6,864.00	15.00	4,680.00	65.00	20,280.00	37.00	11,544.00	37.00	11,544.00
10	350	LF	STEEL RAILING	20.00	7,000.00	45.00	15,750.00	40.00	14,000.00	48.00	16,800.00	51.00	17,850.00
11	2	EA	AREA DRAINS	2,000.00	4,000.00	2,750.00	5,500.00	1,200.00	2,400.00	1,600.00	3,200.00	1,700.00	3,400.00
12	1	CY	2 INCH GRAVEL	500.00	500.00	1,000.00	1,000.00	200.00	200.00	960.00	960.00	960.00	960.00
13	1	LS	TRAFFIC SIGNAL & SAFETY LIGHTING	87,000.00	87,000.00	47,275.00	47,275.00	43,800.00	43,800.00	75,000.00	75,000.00	72,671.00	72,671.00
14	1	LS	BATTERY BACK-UP SYSTEM	4,000.00	4,000.00	4,225.00	4,225.00	8,000.00	8,000.00	5,500.00	5,500.00	5,400.00	5,400.00
15	3	EA	INSTALL TYPE I BARRICADE WITH R49 SIGNS	500.00	1,500.00	875.00	2,625.00	600.00	1,800.00	600.00	1,800.00	800.00	2,400.00
16	5	EA	STANDARD TYPE A DETECTOR LOOPS	500.00	2,500.00	575.00	2,875.00	600.00	3,000.00	300.00	1,500.00	500.00	2,500.00

CITY OF HAYWARD
 TRAFFIC SIGNAL INSTALLATION AT HUNTWOOD
 PROJECT NO. 5753
 BIDS OPENED: JULY 6, 2004

(NUMBER OF BIDS RECEIVED - 7)

Page 2 of 4

BID SUMMARY				ENGINEER'S ESTIMATE		PRISM ENGINEERING INC. 233 BRIGGS ROAD HOLLISTER CA 95023 (831) 630-0257 PHONE (831) 630-0469 FAX		PHOENIX ELECTRIC COMPANY P.O. BOX 883034 SAN FRANCISCO CA 94188 (415) 671-3858 PHONE (415) 671-3827 FAX		COLUMBIA ELECTRIC, INC. 1980 DAVIS STREET SAN LEANDRO CA 94577 (510) 430-9505 PHONE (510) 430-1860 FAX		STEINY AND COMPANY, INC. 27 SHERIDAN STREET VALLEJO CA 94590 (707) 552-6900 PHONE (707) 554-6347 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
17	1	EA	6' X 14' TYPE A DETECTOR LOOP	600.00	600.00	1,750.00	1,750.00	1,500.00	1,500.00	500.00	500.00	1,000.00	1,000.00
18	1	LS	THERMOPLASTIC STRIPING, MARKINGS AND PAVEMENT MARKERS	4,000.00	4,000.00	8,000.00	8,000.00	3,500.00	3,500.00	5,400.00	5,400.00	5,500.00	5,500.00
19	80	LF	REPAINT RED CURBS	5.00	400.00	5.00	400.00	8.00	640.00	2.00	160.00	5.00	400.00
20	4	EA	REMOVE ROADSIDE SIGNS	260.00	1,040.00	100.00	400.00	400.00	1,600.00	100.00	400.00	75.00	300.00
21	1	EA	REMOVE AND REINSTALL ROADSIDE SIGN	300.00	300.00	375.00	375.00	1,200.00	1,200.00	100.00	100.00	400.00	400.00
22	1	LS	RAILROAD REQUIREMENTS COMPLIANCE	3,000.00	3,000.00	10,000.00	10,000.00	5,000.00	5,000.00	5,000.00	5,000.00	2,000.00	2,000.00
23	1	LS	ADMINISTRATIVE CHANGE ORDER	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00
			TOTAL		155,134.00		154,315.00		159,990.00		174,159.00		174,370.00

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Page 3 of 4

BID SUMMARY				ENGINEER'S ESTIMATE		TENNYSON ELECTRIC, INC. 7275 NATIONAL DRIVE LIVERMORE CA 94550 (925) 606-1038 PHONE (925) 606-7656 FAX		MIKE BROWN ELECTRIC CO. 561-A MERCANTILE DRIVE COTATI CA 94931-3040 (707) 792-8100 PHONE (707) 792-8110 FAX		W. BRADLEY ELECTRIC, INC. 90 HILL ROAD NOVATO CA 94945 (415) 898-1400 PHONE (415) 898-5333 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	TRAFFIC CONTROL	5,000.00	5,000.00	6,500.00	6,500.00	3,900.00	3,900.00	15,000.00	15,000.00
2	15	LF	REMOVE PCC CURB & GUTTER FOR CURB RAMP	20.00	300.00	50.00	750.00	15.00	225.00	15.00	225.00
3	5	CY	REMOVE EXISTING AC AT UPRR CROSSING	75.00	375.00	200.00	1,000.00	226.00	1,130.00	226.00	1,130.00
4	35	CY	ROADWAY EXCAVATION	40.00	1,400.00	100.00	3,500.00	132.00	4,620.00	132.00	4,620.00
5	1	LS	CONSTRUCTION & DEMOLITION DEBRIS RECYCLING	500.00	500.00	2,500.00	2,500.00	1,200.00	1,200.00	1,200.00	1,200.00
6	1	EA	CASE C CURB RAMP (CLASS B CONCRETE)	1,500.00	1,500.00	3,200.00	3,200.00	2,150.00	2,150.00	2,150.00	2,150.00
7	605	SF	CONCRETE SIDEWALK (CLASS B CONCRETE)	8.00	4,840.00	8.00	4,840.00	16.00	9,680.00	16.00	9,680.00
8	215	SF	CONCRETE "S" RAMP (CLASS B CONCRETE)	21.00	4,515.00	12.00	2,580.00	46.00	9,890.00	46.00	9,890.00
9	312	SF	CONNECTION RAMP AND STAIRS (CLASS A CONCRETE)	22.00	6,864.00	8.00	2,496.00	37.00	11,544.00	37.00	11,544.00
10	350	LF	STEEL RAILING	20.00	7,000.00	15.00	5,250.00	51.00	17,850.00	51.00	17,850.00
11	2	EA	AREA DRAINS	2,000.00	4,000.00	1,500.00	3,000.00	1,600.00	3,200.00	1,600.00	3,200.00
12	1	CY	2 INCH GRAVEL	500.00	500.00	350.00	350.00	960.00	960.00	960.00	960.00
13	1	LS	TRAFFIC SIGNAL & SAFETY LIGHTING	87,000.00	87,000.00	103,367.00	103,367.00	81,349.00	81,349.00	107,000.00	107,000.00
14	1	LS	BATTERY BACK-UP SYSTEM	4,000.00	4,000.00	4,500.00	4,500.00	5,500.00	5,500.00	4,500.00	4,500.00
15	3	EA	INSTALL TYPE I BARRICADE WITH R49 SIGNS	500.00	1,500.00	900.00	2,700.00	500.00	1,500.00	300.00	900.00
16	5	EA	STANDARD TYPE A DETECTOR LOOPS	500.00	2,500.00	400.00	2,000.00	325.00	1,625.00	350.00	1,750.00

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		7275 NATIONAL DRIVE LIVERMORE CA 94550 (925) 606-1038 PHONE (925) 606-7656 FAX				561-A MERCANTILE DRIVE COTATI CA 94931-.3040 (707) 792-8100 PHONE (707) 792-8110 FAX		90 HILL ROAD NOVATO CA 94945 (415) 898-1400 PHONE (415) 898-5333 FAX			
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
17	1	EA	6' X 14' TYPE A DETECTOR LOOP	600.00	600.00	900.00	900.00	500.00	500.00	750.00	750.00
18	1	LS	THERMOPLASTIC STRIPING, MARKINGS AND PAVEMENT MARKERS	4,000.00	4,000.00	8,500.00	8,500.00	5,400.00	5,400.00	5,400.00	5,400.00
19	80	LF	REPAINT RED CURBS	5.00	400.00	5.00	400.00	2.00	160.00	2.00	160.00
20	4	EA	REMOVE ROADSIDE SIGNS	260.00	1,040.00	100.00	400.00	100.00	400.00	100.00	400.00
21	1	EA	REMOVE AND REINSTALL ROADSIDE SIGN	300.00	300.00	200.00	200.00	225.00	225.00	100.00	100.00
22	1	LS	RAILROAD REQUIREMENTS COMPLIANCE	3,000.00	3,000.00	1,500.00	1,500.00	5,000.00	5,000.00	500.00	500.00
23	1	LS	ADMINISTRATIVE CHANGE ORDER	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00
			TOTAL	155,134.00		174,433.00		182,008.00 *		212,909.00	

* TOTAL DIFFERENT THAN
 SUBMITTED BID

DRAFT

NH 07/15/04

HAYWARD CITY COUNCIL

RESOLUTION NO. 04-

Introduced by Council Member

RESOLUTION APPROVING ADDENDUM NO. 1 AND
AWARDING CONTRACT TO PRISM ENGINEERING, INC
FOR THE TRAFFIC SIGNAL INSTALLATION ON
HUNTWOOD AVENUE AT SCHAFER ROAD PROJECT,
PROJECT NO. 5753

WHEREAS, on June 15, 2004, the City Council approved the plans and specifications for the Traffic Signal Installation on Huntwood Avenue at Schafer Road Project, Project No. 5753, and called for bids to be received on July 6, 2004; and

WHEREAS, Addendum No. 1 contains minor modifications to bid sheets and the plans and specifications; and

WHEREAS, on July 6, 2004, seven bids were received ranging from \$154,315 to \$212,909; Prism Engineering, Inc., of Hollister submitted the low bid in the amount of \$154,315 which is approximately 0.4 percent below the Engineer's estimate of \$155,000.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hayward that Addendum No. 1 is hereby approved and adopted as part of the plans and specifications for the project.

BE IT FURTHER RESOLVED that Prism Engineering, Inc., is hereby awarded the contract for the Traffic Signal Installation on Huntwood Avenue at Schafer Road Project, Project No. 5753, in accordance with the plans and specifications adopted therefor and on file in the office of the City Clerk of the City of Hayward, at and for the price named and stated in the bid of the hereinabove specified bidder, and all other bids are hereby rejected.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to execute the contract with Prism Engineering, Inc., in the name of and for and on behalf of the City of Hayward, in an amount not to exceed \$154,315, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA_____, 2004

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:
MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST:_____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward